

# Teodor P Grantcharov

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,660  
citations

279487  
23  
h-index

301761  
39  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1758  
citing authors

#	ARTICLE	IF	CITATIONS
1	First-year Analysis of the Operating Room Black Box Study. <i>Annals of Surgery</i> , 2020, 271, 122-127.	2.1	137
2	Can everyone achieve proficiency with the laparoscopic technique? Learning curve patterns in technical skills acquisition. <i>American Journal of Surgery</i> , 2009, 197, 447-449.	0.9	131
3	Surgical data science “from concepts toward clinical translation. <i>Medical Image Analysis</i> , 2022, 76, 102306.	7.0	107
4	Surgical Simulation in 2013: Why Is It Still Not the Standard in Surgical Training?. <i>Journal of the American College of Surgeons</i> , 2014, 218, 294-301.	0.2	79
5	Perceptions, Training Experiences, and Preferences of Surgical Residents Toward Laparoscopic Simulation Training: A Resident Survey. <i>Journal of Surgical Education</i> , 2014, 71, 727-733.	1.2	72
6	Impact of a simulation training curriculum on technical and nontechnical skills in colonoscopy: a randomized trial. <i>Gastrointestinal Endoscopy</i> , 2015, 82, 1072-1079.	0.5	71
7	Using Data to Enhance Performance and Improve Quality and Safety in Surgery. <i>JAMA Surgery</i> , 2017, 152, 972.	2.2	71
8	The impact of objective assessment and constructive feedback on improvement of laparoscopic performance in the operating room. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2007, 21, 2240-2243.	1.3	62
9	Advanced training in laparoscopic abdominal surgery: A systematic review. <i>Surgery</i> , 2014, 156, 676-688.	1.0	58
10	Automated Methods of Technical Skill Assessment in Surgery: A Systematic Review. <i>Journal of Surgical Education</i> , 2019, 76, 1629-1639.	1.2	56
11	Progressive learning in endoscopy simulation training improves clinical performance: a blinded randomized trial. <i>Gastrointestinal Endoscopy</i> , 2017, 86, 881-889.	0.5	51
12	Simulation-trained junior residents perform better than general surgeons on advanced laparoscopic cases. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 135-141.	1.3	49
13	Technical Performance as a Predictor of Clinical Outcomes in Laparoscopic Gastric Cancer Surgery. <i>Annals of Surgery</i> , 2019, 270, 115-120.	2.1	49
14	Validating a standardized laparoscopy curriculum for gynecology residents: a randomized controlled trial. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 215, 204.e1-204.e11.	0.7	47
15	The Science of Selection: Using Best Practices From Industry to Improve Success in Surgery Training. <i>Journal of Surgical Education</i> , 2018, 75, 278-285.	1.2	47
16	Are We Ready for Our Close-up?. <i>Annals of Surgery</i> , 2017, 266, 934-936.	2.1	46
17	Structured Training to Improve Nontechnical Performance of Junior Surgical Residents in the Operating Room. <i>Annals of Surgery</i> , 2016, 263, 43-49.	2.1	42
18	A Global Delphi Consensus Study on Defining and Measuring Quality in Surgical Training. <i>Journal of the American College of Surgeons</i> , 2014, 219, 346-353e7.	0.2	36

#	ARTICLE	IF	CITATIONS
19	Non-Technical Skills for Surgeons (NOTSS): Critical appraisal of its measurement properties. American Journal of Surgery, 2018, 216, 990-997.	0.9	36
20	The Generic Error Rating Tool: A Novel Approach to Assessment of Performance and Surgical Education in Gynecologic Laparoscopy. Journal of Surgical Education, 2015, 72, 1259-1265.	1.2	33
21	Objective structured assessment of nontechnical skills: Reliability of a global rating scale for the in-training assessment in the operating room. Surgery, 2015, 157, 1002-1013.	1.0	28
22	Is virtual reality simulation an effective training method in surgery?. Nature Reviews Gastroenterology & Hepatology, 2008, 5, 232-233.	1.7	27
23	Approach to asymptomatic paraesophageal hernia: watchful waiting or elective laparoscopic hernia repair?. Surgical Endoscopy and Other Interventional Techniques, 2018, 32, 864-871.	1.3	25
24	Debriefing decreases mental workload in surgical crisis: A randomized controlled trial. Surgery, 2017, 161, 1215-1220.	1.0	24
25	Surgical training: Design of a virtual care pathway approach. Surgery, 2014, 156, 689-697.	1.0	22
26	Comprehensive simulation-enhanced training curriculum for an advanced minimally invasive procedure: a randomized controlled trial. Surgery for Obesity and Related Diseases, 2017, 13, 815-824.	1.0	20
27	Implementing assessments of robot-assisted technical skill in urological education: a systematic review and synthesis of the validity evidence. BJU International, 2018, 122, 501-519.	1.3	20
28	Practice does not always make perfect: need for selection curricula in modern surgical training. Surgical Endoscopy and Other Interventional Techniques, 2017, 31, 3718-3727.	1.3	19
29	Evaluation of Procedural Simulation as a Training and Assessment Tool in General Surgery—Simulating a Laparoscopic Appendectomy. Journal of Surgical Education, 2017, 74, 243-250.	1.2	19
30	Optimizing the Selection of General Surgery Residents: A National Consensus. Journal of Surgical Education, 2017, 74, 100-107.	1.2	16
31	Simulation-Based Training of Non-Technical Skills in Colonoscopy: Protocol for a Randomized Controlled Trial. JMIR Research Protocols, 2017, 6, e153.	0.5	16
32	Pushing boundaries of video review in trauma: using comprehensive data to improve the safety of trauma care. Trauma Surgery and Acute Care Open, 2020, 5, e000510.	0.8	15
33	Video-analysis for the assessment of practical skill. Tijdschrift Voor Urologie, 2016, 6, 128-136.	0.1	13
34	Characterization of device-related interruptions in minimally invasive surgery: need for intraoperative data and effective mitigation strategies. Surgical Endoscopy and Other Interventional Techniques, 2019, 33, 717-723.	1.3	13
35	Implementation of the Operating Room Black Box Research Program at the Ottawa Hospital Through Patient, Clinical, and Organizational Engagement: Case Study. Journal of Medical Internet Research, 2021, 23, e15443.	2.1	12
36	Introduction of a surgical Black Box system in a hybrid angiosuite: Challenges and opportunities. Physica Medica, 2020, 76, 77-84.	0.4	11

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37	Assessment Tool for Total Laparoscopic Hysterectomy: A Delphi Consensus Survey Among International Experts. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2014, 36, 1014-1023.	0.3	10
38	Underreporting of Veress Needle Injuries: Comparing Direct Observation and Chart Review—Methods. <i>Journal of Surgical Research</i> , 2019, 236, 266-270.	0.8	10
39	Quantifying the “Assistant Effect” in Robotic-Assisted Radical Prostatectomy (RARP): Measures of Technical Performance. <i>Journal of Surgical Research</i> , 2021, 260, 307-314.	0.8	8
40	Implementation and evaluation of a comprehensive proficiency-based curriculum in an advanced, minimally invasive procedure: a multi-institutional Canadian experience. <i>Surgery for Obesity and Related Diseases</i> , 2019, 15, 1956-1964.	1.0	7
41	Training in Laparoscopic Gastric Cancer Surgery in the Western World: Current Educational Practices, Challenges, and Potential Opportunities at a Large University Centre. <i>Journal of Surgical Education</i> , 2016, 73, 749-755.	1.2	6
42	International assessment practices along the continuum of surgical training. <i>American Journal of Surgery</i> , 2016, 212, 354-360.	0.9	6
43	Brain activation during laparoscopic tasks in high- and low-performing medical students: a pilot fMRI study. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 4837-4845.	1.3	6
44	The effect of intraoperative distractions on severe technical events in laparoscopic bariatric surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 4569-4580.	1.3	6
45	Development of a Model for Video-Assisted Postoperative Team Debriefing. <i>Journal of Surgical Research</i> , 2021, 257, 625-635.	0.8	5
46	Assessment of Endovascular Team Performances Using a Comprehensive Data Capture Platform in the Hybrid Room: A Pilot Study. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 61, 1028-1029.	0.8	5
47	Non-technical skills and device-related interruptions in minimally invasive surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 4494-4500.	1.3	3
48	Defining critical and non-critical moments in the operating room: a modified Delphi consensus study. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 949-958.	0.7	3
49	Developing the Blueprint for a General Surgery Technical Skills Certification Examination: A Validation Study. <i>Journal of Surgical Education</i> , 2018, 75, 344-350.	1.2	3
50	Development of the User Experience (UX) and Video Quality Evaluation (VQE) Instruments for Assessment of Intraoperative Video Capture Technology. <i>Journal of Surgical Education</i> , 2021, 78, 201-206.	1.2	2
51	Pedunculated polyp of the ileum protruding from a large diverticulum. <i>Frontline Gastroenterology</i> , 2018, 9, 97-97.	0.9	0